

## **REMARKS**

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action. All details of the reference prior arts are fully considered and compared with the present invention.

Indeed the citations disclose some features of the present invention, and the applicant agrees with these viewpoints, however applicant discovers that some main features of the present invention is not disclosed in the citation which can form the novelty and inventive step of the present invention.

Applicant decides to amend the present invention, which firstly amends some errors pointed out by the Examiner in the Office action, and secondly, the amendments can more illustrate the novelty of the present invention. The applicant decides to cancel Claims 1 to 4, without prejudice or disclaimer of the subject matter thereof, and add new claims 5 to 7. The added new claim 5 is based on the original claim 1 and 2 and the feature in the Fig. 4. The new claim 6 add features same as the original claim 4 to the new claims 5. The added new claim 7 is based on the original claim 1 and 3 and the feature in the Figs. 5 and 6. Thus no new matter is added. The relation of the new claims with respect to the original claims are shown in the following.

## **CLAIMS SHOW CHANGES FROM THE ORIGINAL CLAIMS AND NUMERALS AS A REFERENCE IN THE REMARK**

Claims 1 –4 (Cancelled)

Claim 5. (New) An environmental protection water-proof safety honeycomb stacking cardboard; the honeycomb stacking

cardboard comprising:

a flat plate 1;  
a plurality of legs 2 below the flat plate; each leg 2 being a long post-like structure formed by at least one upper leg 21 and a lower leg 22 located below the upper legs 21; wherein the flat plate, upper leg and lower leg being made by a plurality of honeycomb plates;

a plurality of waterproof top plates 12, 24 adhered on an upper side of the flat plate 11; and each upper side of the upper legs 21 and lower legs 22; and

a plurality of waterproof bottom plates 13, 25 adhered on an lower side of the flat plate, each lower side of the upper legs 21, and each of the lower legs 22;

wherein a periphery of the flat plate adjacent to the top plate 12 is covered by a water-proof kraft paper edge protecting cover 4; each protection cover 4 having an L shape cross section with one side of the L shape covering upon the top plate and the other part of the L shape covering upon a lateral side of the honeycomb plate; an upper side of the cover is formed with a through hole upon a top surface of the flat plate 1 and a lower edge of the cover is formed as a rectangular shape; the exposed outside of each leg is enclosed by a water-proof kraft paper protecting envelope 5; wherein each envelop is an approximate U shape cross section so as to enclose three sides of each leg.

wherein the legs are arranged with an equal space in one dimension.

Claim 6. (New) The environmental protection water-proof safety honeycomb stacking cardboard as claimed in claim 2,

wherein each leg has three upper legs and one lower leg; the three upper legs are arranged above the lower leg so as to be formed as a leg with two slots; the legs are arranged with an equal distance.

Claim 7. (New) An environmental protection water-proof safety honeycomb stacking cardboard; the honeycomb stacking cardboard comprising:

a flat plate 1;

a plurality of legs 2 below the flat plate; each leg being a long post-like structure formed by at least one upper leg 21 and a lower leg 22 located below the upper legs 21; wherein the flat plate, upper leg and lower leg being made by a plurality of honeycomb plates;

a plurality of waterproof top plates 12, 24 adhered on an upper side of the flat plate; and each upper side of the upper legs 21 and lower legs 22; and

a plurality of waterproof bottom plates 13, 25 adhered on an lower side of the flat plate, each lower side of the upper legs 21, and each of the lower legs 22;

wherein a periphery of the flat plate adjacent to the top plate 12 is covered by a water-proof kraft paper edge protecting cover 4; each protection cover 4 having an L shape cross section with one side of the L shape covering upon the top plate and the other part of the L shape covering upon a lateral side of the honeycomb plate; an upper side of the cover is formed with a through hole upon a top surface of the flat plate 1 and a lower edge of the cover is formed as a rectangular shape; the exposed outside of each leg is enclosed by a water-proof kraft paper protecting envelope 5; wherein each envelop is an approximate U shape cross section so as to enclose three sides of each leg; and

wherein the legs are arranged with an equal space in two dimensions; and each leg has a rectangular cross section.

## **DISCUSSION ABOUT THE NOVELTY OF THE PRESENT INVENTION**

(A) To easily understand the claims of the present invention, it should be noted that:

The new claim 5 claims the feature illustrated in Fig. 4 of the present invention.

The new claim 6 claims the features illustrated in Fig. 7 and 8 of the present invention.

Fig. new claim 7 claims the features illustrated in Fig. 5 and 6 of the present invention.

(B) In the new claim 5 and 7 of the present invention, we add the following confinement to the claims:

an upper side of the cover is formed with a through hole upon a top surface of the flat plate 1 and a lower edge of the cover is formed as a rectangular shape;

About description clearly defines the element 4 in Figs. 6, 7, and 8 of the present invention.

In the office action, the USP5537937 is used to object this part, the related description of the citation is at line 30-34, col. 5 and the Fig. 7.

However after added above mentioned confinement, as comparing with the citation, the line 30-34, col. 5 of USP5537937 does not disclose above mentioned features. Referring to Fig. 7 of the citation, it is illustrated that no through hole is not shown in structure 702, 704 and the

lower side of the cover 702 is not formed as a rectangular shape.

Thus we believe above confinement can overcome the rejection of the citation '937.

However the structure of the cover of the present invention provides a well protection to the pallet and has a simple structure than the prior art and thus it can be made and assembled easily.

(C) Moreover, in the new claims 5 and 7:

"a plurality of waterproof top plates 12, 24 on upper sides of the flat plate 11; the upper legs 21 and lower legs 22;  
a plurality of waterproof bottom plates 13, 25 gluing on lower sides of  
the flat plate, the upper legs 21, and lower legs 22;  
"the exposed outside of each leg is enclosed by a water-proof kraft  
paper protecting envelope; wherein each envelop is an approximate U  
shape cross section so as to enclose three sides of each leg."

These feature is illustrated in Fig. 4, 5, and 6 of the present  
invention. The related elements are 12, 13, 24, 25 and 5 as illustrated in  
Figs. 4, 5 and 6.

Please referring to Fig. 4 of the present invention, it is illustrated that  
**the flat plate 11 is enclosed by a top plate 12 and a lower plate 13 and**

**the top leg 23 is enclosed by a top plate 24 and a bottom plate 25, and**

**the lower leg 23 is enclosed by a top plate 24 and a bottom plate 25.**

In the office action, the citation USP5537937, col. 5, line 35, 40 is used to object these features. The related element in the col. 5 of the citation '937 is the elements illustrated in Fig. 7 of the citation '937.

However from the Fig. 7, we cannot formed the features illustrated above. No lower leg and upper leg is illustrated in Fig. 7 of citation '937.

The new claim 5 claims the features mainly in Fig. 4, in that "the legs are arranged with an equal space in one dimension". In above discussion, it is known that all the citations have no the features of the element 4 of the present invention and the elements 12, 13, 24, 25 of the present invention. Thereby it is known that the claim 5 is novel over all the citations.

(D) The new claim 6 claims the features of Figs. 7 and 8 of the present invention, in that

**"each leg has three upper legs and one lower leg; the three upper legs are arranged above the lower leg so as to be formed as a leg with two slots; the legs are arranged with an equal distance."**

In the office action, the citation '937 (col. 6, lines 5 to 10) is used to object this part. The related drawing is Fig. 9 of the citation '937. From the drawing, it is illustrated that the lower legs 902 are plates. However from claim 5 of the present invention, the lower legs 23 is enclosed by an upper plate 24 and a bottom plate 25, which structure is very different from the citations.

(E) The new claim 7 claims the features of Figs. 5 and 6 of the present invention, in that

**"the legs are arranged with an equal space in two dimensions; and each leg has a rectangular cross section."**

The citation '507 has the arrangement of legs as that disclosed in Figs. 6 and 7 of the present invention, but each leg of the citation has an integral structure, namely, no upper leg and lower leg as in the present invention. Moreover, it is known that all the citations have no the features of the

element 4 of the present invention and the elements 12, 13, 24, 25 of the present invention. Thereby it is known that the claim 5 is novel over all the citations.

## **(F) RESULT**

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in new claims 5 and 7. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

However the present invention provides a concrete structure to the pallet. In that the present invention is different from the prior arts. The advantages of the present invention is that the assembly of the present invention is very easy than the portion. It can be easily seen from the drawings of the present invention and the citations. The present invention is easy to assembly and manufacture since easy element has a simpler structure. Thus the assembly cost can be reduced greatly.

**Applicant requests and authorizes Examiner to amend the claims specification of the present invention so that the claim can match the requirement of U. S. Patent. Attentions of Examiner to this matter is greatly appreciated.**

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectively requested.

Respectfully submitted.

*Wang, Shang Jin*

Dated: 05 / 20 /2006

**235 Chung - Ho    Box    8-24**

Taipei    Taiwan    R. O. C.